

10 pass, at least some of the fourth signals determining at least three different drop volumes including a no drop decision, the controller generating a table of drop volume related values for printing the image data in response to the first signal, the second signal and the third signal, with different table values being provided for different combinations of receiver media types, ink types and printer resolutions;

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B2
an actuator associated with said one nozzle and responsive to said fourth signals for controlling said one nozzle to deposit during said print pass at respective pixel locations respective drop volumes that are deposited in accordance with said fourth signals so that said one nozzle prints at least three different drop volumes including no drops at different pixel locations on the receiver medium during said print pass to print the image on the receiver medium.

15. (Twice Amended) A method of operating an ink jet printer apparatus for printing an image on a receiver medium, the method comprising:

providing a print head having at least one nozzle that is movable relative to the receiver medium during a print pass;

B2
generating a first signal related to one of plural receiver media types selectable for recording the image data, a second signal related to one of plural types of inks selectable for recording the image data and a third signal related to one of plural printer resolutions selectable for recording the image data;

recording image data of the image during said print pass by depositing from said one nozzle at least three different ink drop volumes including no ink drop on the receiver medium at different pixel locations to form dots of different dot size or dot density at different pixel locations; and

wherein in recording image data of a same multitone image data value on different receiver media types, in response to the first signal related to receiver media type and the second signal related to the type of ink and the third signal related to printer resolution for recording the image data, the drop volumes deposited on one receiver medium of one receiver media type by the nozzle are different than the drop volumes deposited on another receiver medium of a second receiver media type by the nozzle and wherein receiver media type and ink type and printer resolution are used in determining drop volumes used in recording.

Add the following new claims:

47. An ink jet printer apparatus for printing an image on a receiver medium comprising:

at least one nozzle connected to a supply of ink;

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a controller, responsive to image data representing the image and to a first signal related to receiver media type and to a second signal related to ink type and to a third signal related to printing resolution, for generating a fourth signal for determining for said one nozzle an ink drop volume to be deposited at each of plural pixel locations on the receiver medium by that one nozzle at the printing resolution defined by said third signal, at least some of the fourth signals determining at least three different drop volumes including a no drop decision for printing by said one nozzle at said resolution, the controller generating a table of drop volume related values for printing the image data in response to the first signal, the second signal and the third signal, with different table values being provided for different combinations of receiver media types, ink types and printer resolutions;

an actuator associated with said one nozzle and responsive to said fourth signals for controlling said one nozzle to deposit at respective pixel locations respective drop volumes that are deposited in accordance with said fourth signals so that said one nozzle prints at least three different drop volumes including no drops at different pixel locations on the receiver medium and at said resolution to print the image on the receiver medium.

48. A method of operating an ink jet printer apparatus for printing an image on a receiver medium, the method comprising:

providing a print head having at least one nozzle;

generating a first signal related to one of plural receiver media types selectable for recording the image data, a second signal related to one of plural types of inks selectable for recording the image data and a third signal related to one of plural printer resolutions selectable for recording the image data;
recording image data of the image at the one resolution by depositing by said one nozzle at least three different ink drop volumes including no ink drop on the receiver